

PATENT 26 MAR 1998
08/952995

10

T: Transformer

L: 3-phase stator windings

Figure 3 thus relates to the procedure for transformer start, Figure 4 to the procedure for reactor start, Figure 5 to the procedure for part-winding start, Figure 6 to the procedure for
5 capacitor start, and Figure 7 to the procedure for combined reactor and capacitor start. Other combinations of start procedures are of course also applicable in the plant according to the invention. The various start procedures are described in the literature, e.g. in the literature references mentioned in the introduction of this
10 application.

Thus, with one or more rotating electric motors constructed in accordance with the invention, industrial plants comprising one or more such motors can be connected directly to high-voltage supply networks, i.e. networks having supply voltages of 20 kV or higher,
15 thereby enabling the eliminated of at least one transformer.

Using permanent insulating power cable according to the invention, between the electric motors included in the plant, and achieving a compact siting of these motors thus ensures that the electric fields are small and bushings/terminals can be entirely eliminated.

08/952995